

Appl. No. Unassigned

Atty. Dkt. No. 200312215-3

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1.-14. (Cancelled)

15. (New) A data structure which defines an electronic document, the data structure comprising first and second substantially separate portions of data; the first portion of data defining the content of the document and the second portion comprising data relating to a pattern of position identification markings such that when the electronic document is printed a pattern reading device, such as a pen, is able to determine its position relative to the position identification markings, the data structure comprising a single data file with the first and second data portions being embedded within the data file.

16. (New) A data structure according to claim 15 which is written in such a form that the data structure can be converted from one format to other formats without losing any of the information from the document.

17. (New) A data structure according to claim 15 in which the second portion of data comprises metadata and in which the data structure includes one or more controls which control the way in which the second portion of data is converted between formats to preserve the pattern.

18. (New) A data structure according to claim 16 in which the second portion of data comprises metadata and in which the data structure includes one or more controls which control the way in which the second portion of data is converted between formats to preserve the pattern.

19. (New) A data structure according to claim 15 in which the data in the second portion comprises any one or more of the following: data from which an algorithm or the like

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can generate the pattern; co-ordinates or other metadata identifying the portion of the position identification marking.

20. (New) A data structure according to claim 16 in which the data in the second portion comprises any one or more of the following: data from which an algorithm or the like can generate the pattern; co-ordinates or other metadata identifying the portion of the position identification marking.

21. (New) A data structure according to claim 17 in which the data in the second portion comprises any one or more of the following: data from which an algorithm or the like can generate the pattern; co-ordinates or other metadata identifying the portion of the position identification marking.

22. (New) A data structure according to claim 18 in which the data in the second portion comprises any one or more of the following: data from which an algorithm or the like can generate the pattern; co-ordinates or other metadata identifying the portion of the position identification marking.

23. (New) A data structure according to claim 15 in which the at least one portion providing the position of the position identification markings within the document and/or data identifying the content of the position identification marking in the document is provided in XML.

24. (New) A data structure according to claim 16 in which the at least one portion providing the position of the position identification markings within the document and/or data identifying the content of the position identification marking in the document is provided in XML.

25. (New) A data structure according to claim 17 in which the at least one portion providing the position of the position identification markings within the document and/or data identifying the content of the position identification marking in the document is provided in XML.

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26. (New) A data structure according to claim 18 in which the at least one portion providing the position of the position identification markings within the document and/or data identifying the content of the position identification marking in the document is provided in XML.

27. A data structure according to claim 19 in which the at least one portion providing the position of the position identification markings within the document and/or data identifying the content of the position identification marking in the document is provided in XML.

28. (New) A data structure according to claim 20 in which the at least one portion providing the position of the position identification markings within the document and/or data identifying the content of the position identification marking in the document is provided in XML.

29. (New) A data structure according to claim 21 in which the at least one portion providing the position of the position identification markings within the document and/or data identifying the content of the position identification marking in the document is provided in XML.

30. A data structure according to claim 22 in which the at least one portion providing the position of the position identification markings within the document and/or data identifying the content of the position identification marking in the document is provided in XML.

31. (New) A data structure according to claim 15 in which a schema, generally an XML schema, is provided.

32. (New) An application adapted to produce an electronic document, the application comprising:  
content receiving means for receiving the content of the electronic document,

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pattern receiving means for receiving data defining a pattern of positional markings allocated to at least a portion of the document; and  
data structure generating means for generating a data structure defining the electronic document which data structure comprises first and second substantially separate portions of data, the first portion of data defining the content and the second portion of data relating to the pattern.

33. (New) A method for generating an electronic document comprising creating an electronic file and storing in that file data and metadata, the data defining at least some content and the metadata relating to a pattern of position identification markings arranged to allow a device, such as a pen, to determine its position within the position identification markings, the electronic file capable of generating an electronic document.

34. (New) A method according to claim 33 in which a file embedding mechanism is used to embed metadata, generally XML metadata, within the electronic document.